

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Madou et al.

Entitled: ELECTROCHEMICAL DETECTORS BASED ON METAL OXIDES

Commissioner for Patents  
Washington, D.C. 20231



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*Sheri L. Burke*  
Sheri L. Burke

Sir:

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As authorized and encouraged under 37 CFR §§ 1.97-1.98 and the provisions of MPEP §§ 609 and 707.05 (b), Applicant(s) submits herewith certain patent references, publications and/or other information which the Patent and Trademark Office may wish to consider in examining the above-identified patent application. The references and information are listed below and on attached form PTO-1449.

**U.S. PATENTS**

U.S. PATENT NUMBER	INVENTOR(S)
5,480,534	Kato et al.

## FOREIGN PATENT DOCUMENTS

COUNTRY	PATENT NO.	INVENTOR(S)
PCT	WO 99/50277	Ruffner et al.

## OTHER DOCUMENTS

1. Einerhand, R. et al., "pH Measurement in Strong Koh Solutions with a Bismuth Electrode", *Electrochim. Acta*, **34**, 345 (1989).
2. Grubb, W. et al., "Palladium-Palladium Oxide pH Electrodes", *Anal. Chem.*, **52**, 270 (1980).
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17. Kato, A. et al., "Metox pH Sensor as pH Measuring Electrode", *Anal. Sci.*, **7** supplement, 1577 (1991).
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23. Hitchman, M. et al., A Field-Induced Poising Technique for Promoting Convergence of Standard Electrode Potential Values of Thermally Oxidized Iridium pH Sensors", *Talanta*, **39**, 137 (1992).
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- 30. Burke, L. et al., "A Voltammetric Investigation of the Charge Storage Reactions of Hydrous Iridium Oxide Layers", *J. Electroanal. Chem.*, **162**, 121 (1984).
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- 32. Conway, B. et al., "Surface and Bulk Processes at Oxidized Iridium Electrodes – II. Conductivity-Switched Behaviour of Thick Oxide Films", *Electrochim. Acta*, **28**, 9 (1983).
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- 39. Malinowska, B. et al., "Behaviour of Nickel Species in Molten  $\text{Li}_2\text{CO}_3 + \text{Na}_2\text{CO}_3 + \text{K}_2\text{CO}_3$  Part 1. Thermodynamic Approach and Electrochemical Characterization Under  $P(\text{CO}_2) = 1$  atm", *J. Electroanal. Chem.*, **21**, 389 (1995).
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A copy of each document is included for the express purpose of providing the Patent and Trademark Office with ample opportunity to evaluate the same and arrive at an independent assessment of the materiality of each, if any, to the examination of the above-identified application.

In reviewing the enclosed copies of the above documents, the Examiner is instructed to ignore any underscoring or highlighting which may have been done because such markings may or may not have any relationship to the subject matter of the above-identified application. The copies being submitted with this Information Disclosure Statement are the best copies available at this time.


The identification of any document herein is not intended to be, and should not be understood as being, an admission that each such document, in fact, constitutes "prior art" within the meaning of applicable law.

Applicant(s) respectfully requests that the documents cited herein be made of record in the normal manner and that such documents appear on the printed patent as being considered and made of record.

Respectfully submitted,

Date: Nov. 9, 2001

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FORM PTO-1449 TO BE FILED WITH  
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INFORMATION  
DISCLOSURE STATEMENT  
BY APPLICANTS

Madou et al.  
Applicant

October 11, 2001  
Filing Date

Group Art Unit

Examiner's name

U.S. PATENT DOCUMENTS

Examiner's Initial	Document Number	Date	Name	Class/Sub-class
	5,480,534	01/02/1996	Kato et al.	204/419

FOREIGN PATENT DOCUMENTS

Examiner's Initial	Document Number	Date	Country/Name	Translation? yes/no
	WO 99/50277	10/07/1999	PCT	No

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Examiner	Date Considered
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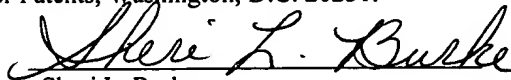
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